

ABSTRACT

A base station, mobile station, and/or other terminal device includes physical layer (layer 1) protocol and link layer (layer 2) protocol that both include automatic retransmission request (ARQ) operations. The physical layer and link layer include enhancements that interact with one another to cause the link layer to inhibit ARQ operations while error recovery operations are pending at the physical layer. A transmitter packages link layer packet data units into physical layer frames and transmits the physical layer frames. A receiver responds to indicate either successful or unsuccessful transmission. The transmitting physical layer waits for the response and initiates error recovery operations when required. The receiving link layer, when it detects lost data packets, inhibits its ARQ operations to allow physical layer error recovery operations to complete.